Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031319\
Data File : VF061926.D
Acq On : 13 Mar 2019 14:25
Operator : VA/AP
Sample : VF0313SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Quant Time: Mar 14 01:15:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.84 | 168 | 313745 | 50.00 | ug/l | -0.04 |
| 34) 1,4-Difluorobenzene | 5.57 | 114 | 481645 | 50.00 | ug/l | -0.04 |
| 63) Chlorobenzene-d5 | 9.76 | 117 | 392622 | 50.00 | ug/l | -0.03 |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152 | 235586 | 50.00 | ug/l | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.82 | 65 | 123886 | 54.22 | ug/l | -0.03 |
| Spiked Amount 50.000 | | | Recovery = 108.44% | | | |
| 35) Dibromofluoromethane | 4.09 | 113 | 182779 | 54.38 | ug/l | -0.03 |
| Spiked Amount 50.000 | | | Recovery = 108.76% | | | |
| 50) Toluene-d8 | 7.54 | 98 | 490232 | 49.07 | ug/l | -0.03 |
| Spiked Amount 50.000 | | | Recovery = 98.14% | | | |
| 62) 4-Bromofluorobenzene | 11.39 | 95 | 204206 | 52.18 | ug/l | -0.03 |
| Spiked Amount 50.000 | | | Recovery = 104.36% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 2.57 | 59 | 426 | 3.285 | ug/l # | 1 |
| 13) Acrolein | 1.98 | 56 | 741 | 4.509 | ug/l # | 68 |
| 15) Acrylonitrile | 2.92 | 53 | 1602 | 3.879 | ug/l # | 58 |
| 16) Acetone | 2.30 | 43 | 563 | 1.176 | ug/l | 97 |
| 18) Methyl Acetate | 2.36 | 43 | 6783 | Below Cal | # | 62 |
| 20) Methylene Chloride | 2.17 | 84 | 2893 | Below Cal | # | 87 |
| 25) 2-Butanone | 4.33 | 43 | 3121 | 3.206 | ug/l # | 87 |
| 29) Tetrahydrofuran | 4.09 | 42 | 1472 | 3.506 | ug/l # | 33 |
| 49) 1,4-Dioxane | 6.70 | 88 | 96 | 7.049 | ug/l # | 3 |
| 51) 4-Methyl-2-Pentanone | 8.25 | 43 | 3694 | 2.271 | ug/l # | 67 |
| 59) 2-Hexanone | 9.48 | 43 | 5465 | 4.656 | ug/l | 70 |
| 74) N-amyl acetate | 11.36 | 43 | 3826 | 1.025 | ug/l # | 83 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75 | 60 | 3.886 | ug/l # | 1 |
| 95) Naphthalene | 14.44 | 128 | 10353 | 1.181 | ug/l # | 94 |

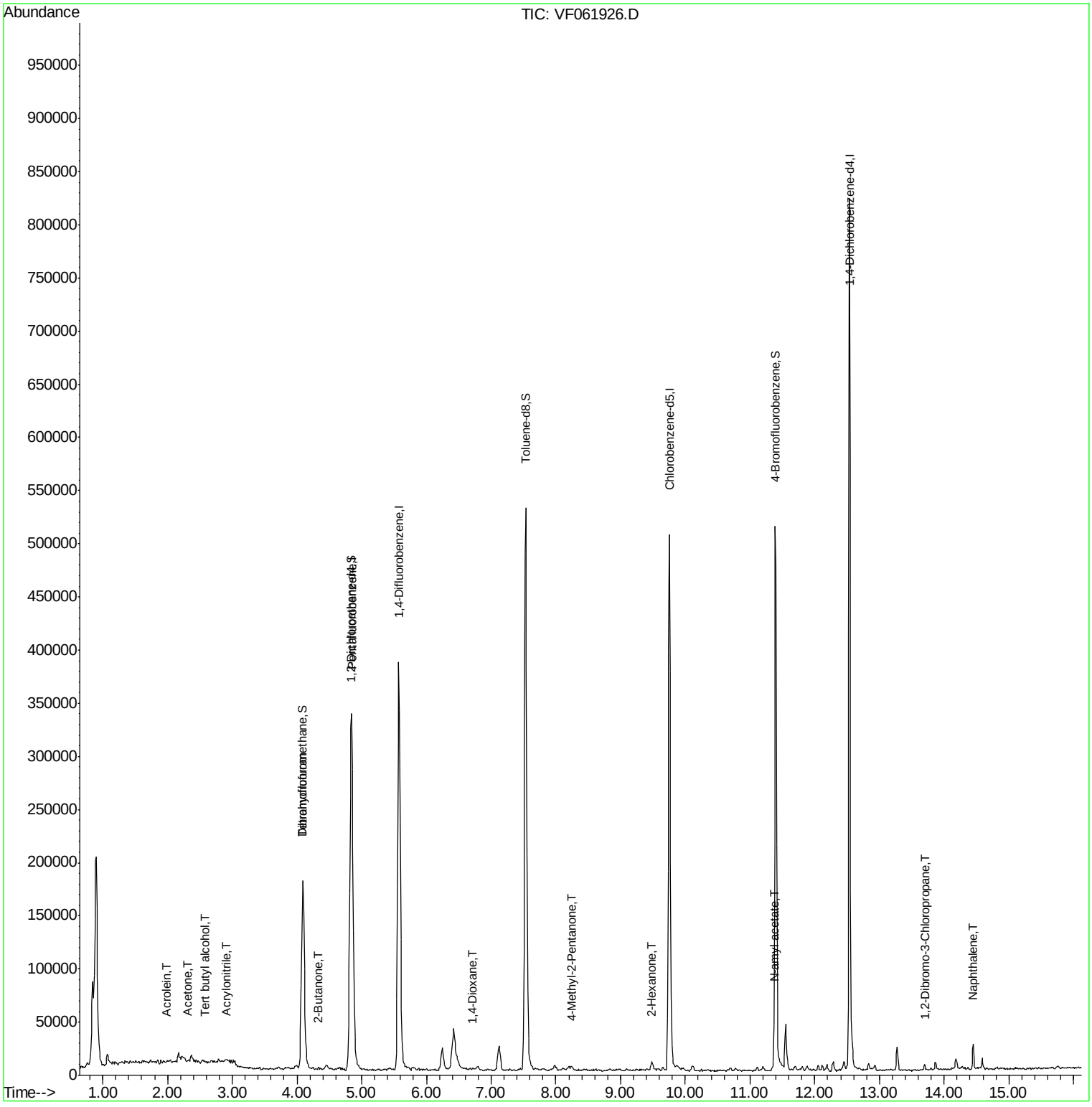
(#) = qualifier out of range (m) = manual integration (+) = signals summed

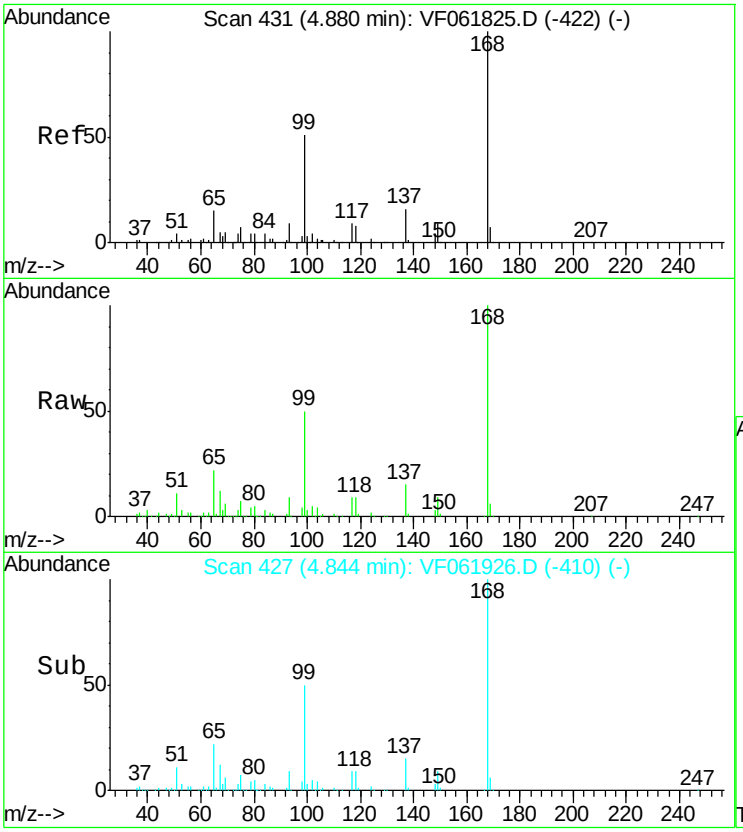
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031319\
Data File : VF061926.D
Acq On : 13 Mar 2019 14:25
Operator : VA/AP
Sample : VF0313SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0313SBL01

Quant Time: Mar 14 01:15:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration



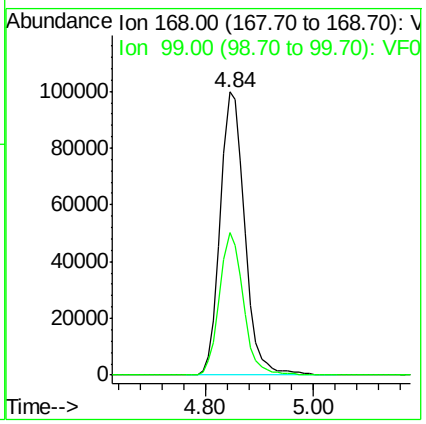


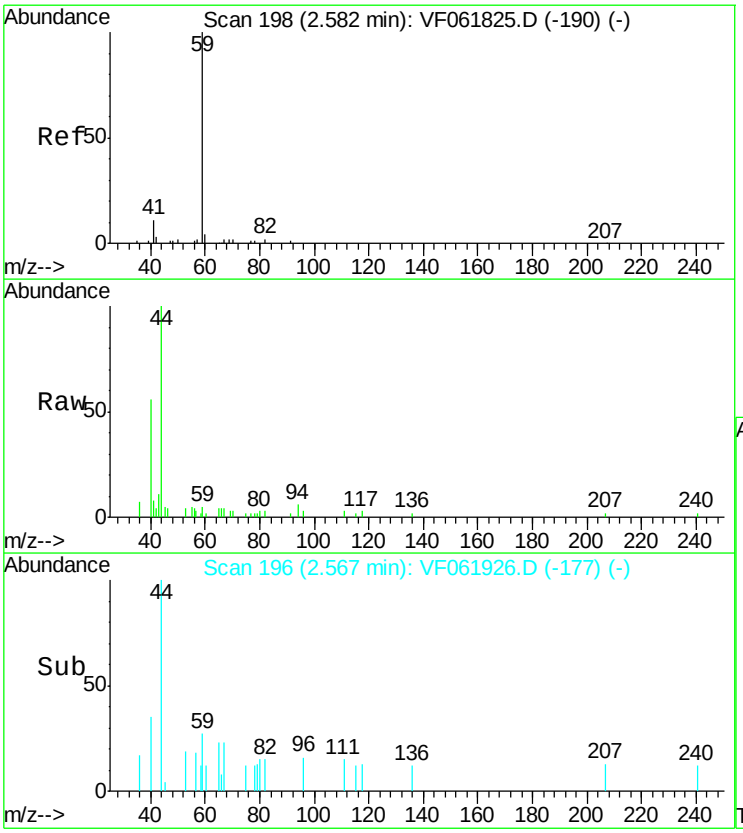

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.04 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0313SBL01

Tgt Ion:168 Resp: 313745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.4 | 40.8 | 61.2 |

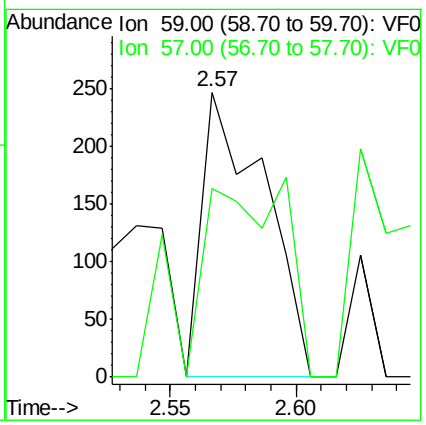


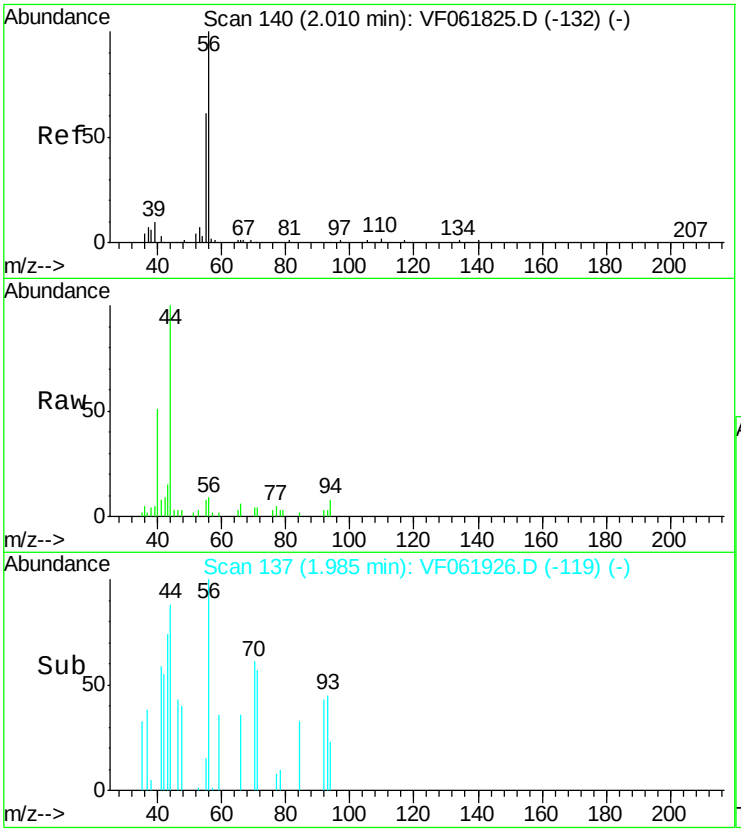




#11
Tert butyl alcohol
Concen: 3.285 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 59 Resp: 426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 66.0 | 11.8 | 17.6# |



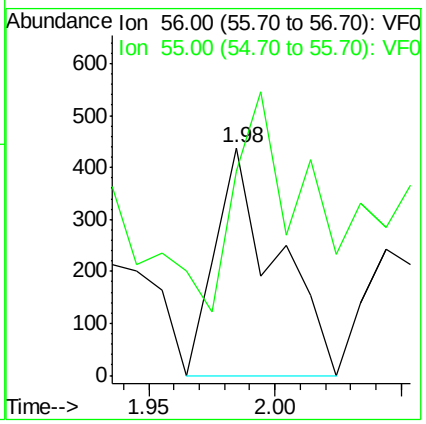


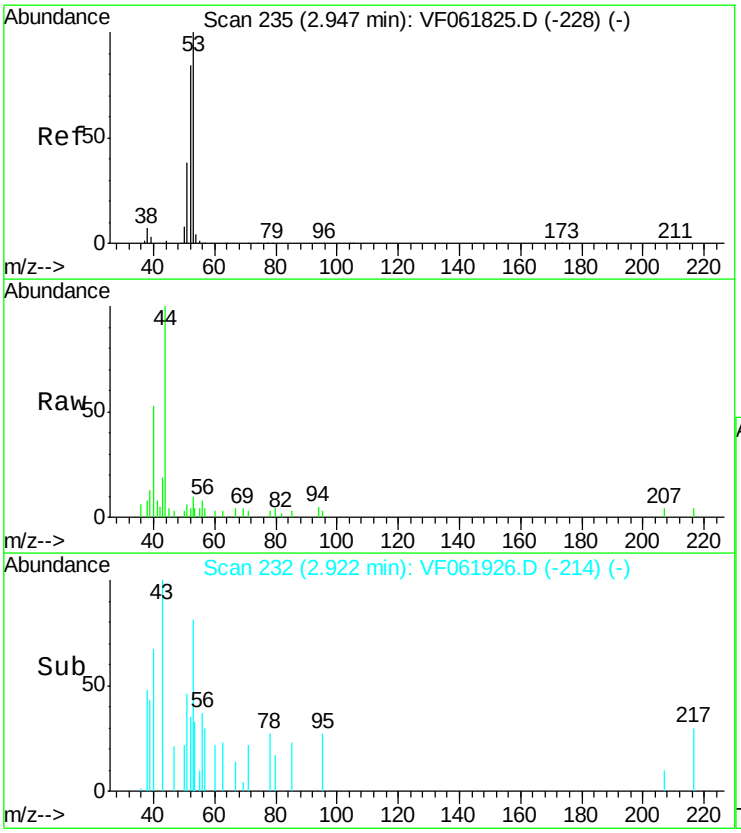

#13
Acrolein
Concen: 4.509 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion: 56 Resp: 741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 89.5 | 51.3 | 76.9# |

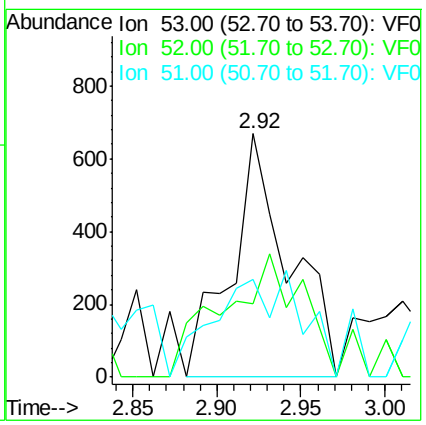


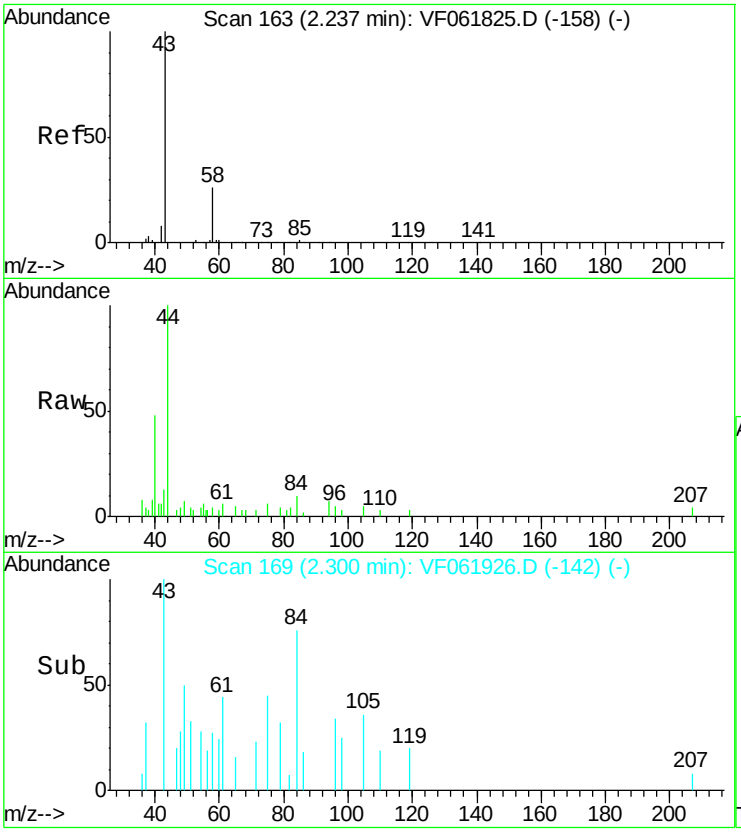




#15
Acrylonitrile
Concen: 3.879 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 53 Resp: 1602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 30.3 | 67.4 | 101.0# |
| 51 | 40.2 | 30.7 | 46.1 |



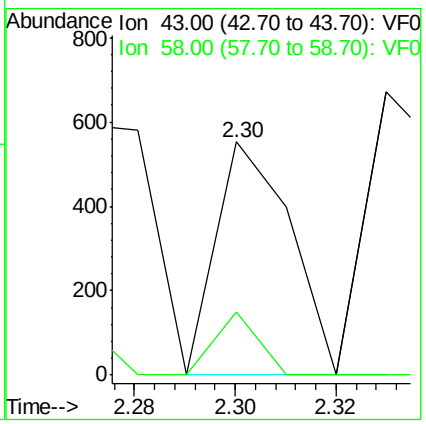


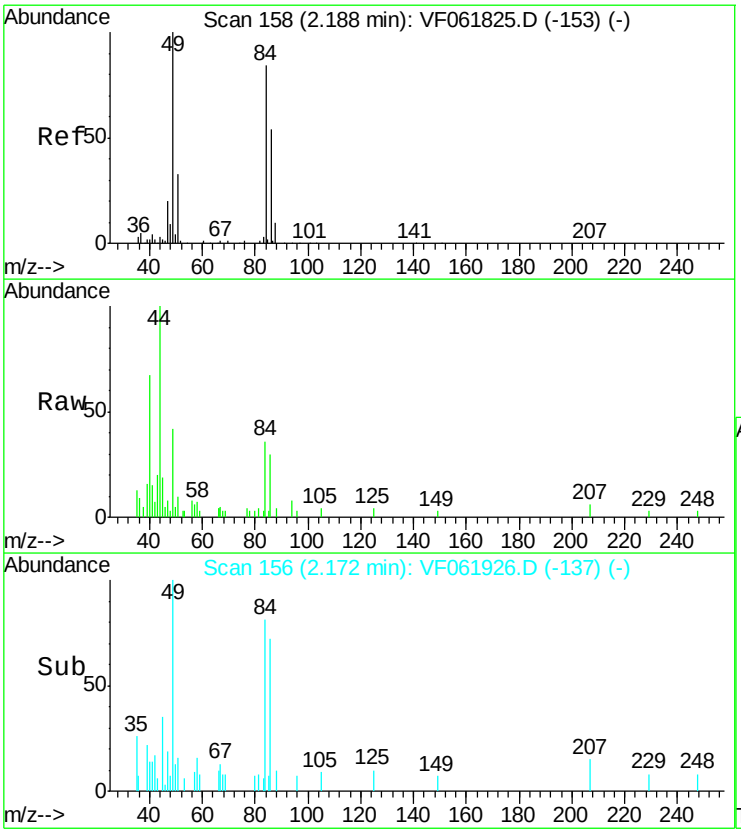

#16
Acetone
Concen: 1.176 ug/l
RT: 2.30 min Scan# 169
Delta R.T. 0.06 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion: 43 Resp: 563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.1 | 20.3 | 30.5 |

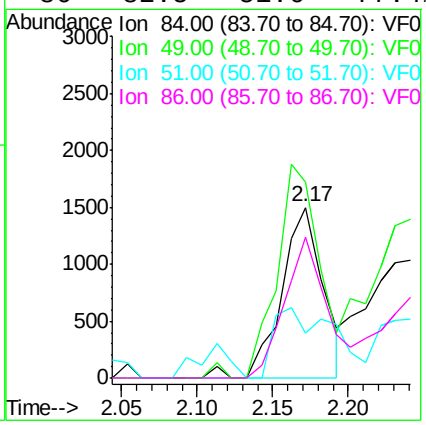


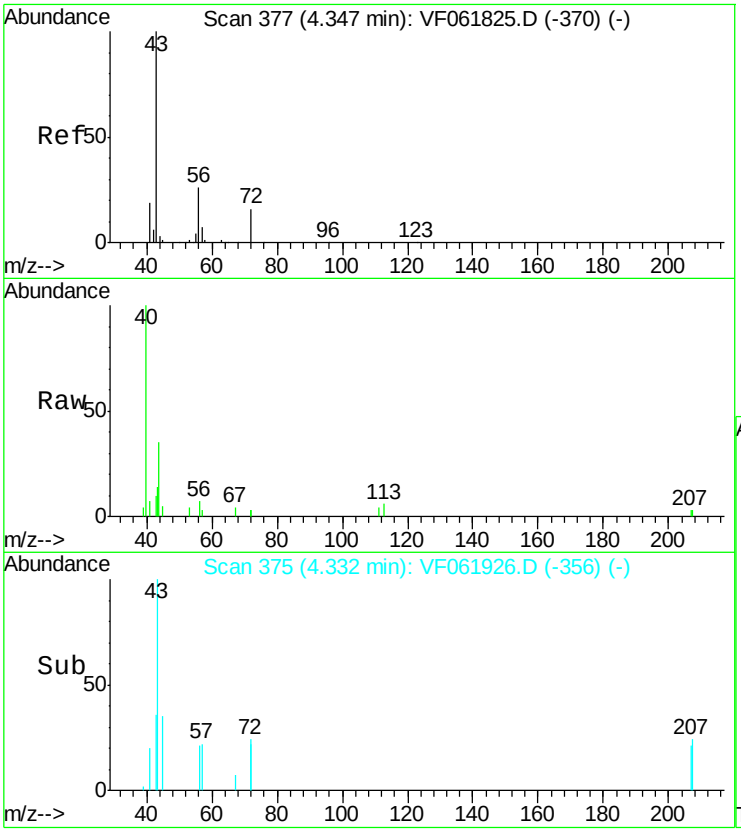




#20
Methylene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 84 Resp: 2893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 114.7 | 96.8 | 145.2 |
| 51 | 26.5 | 31.8 | 47.6# |
| 86 | 82.5 | 51.6 | 77.4# |



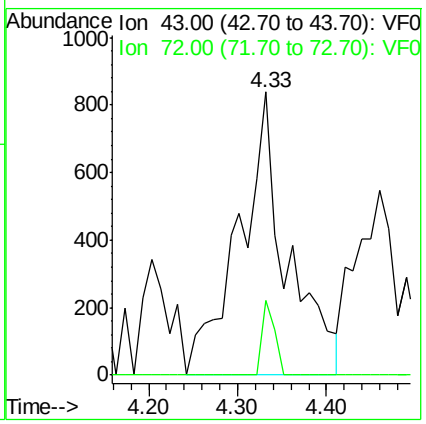


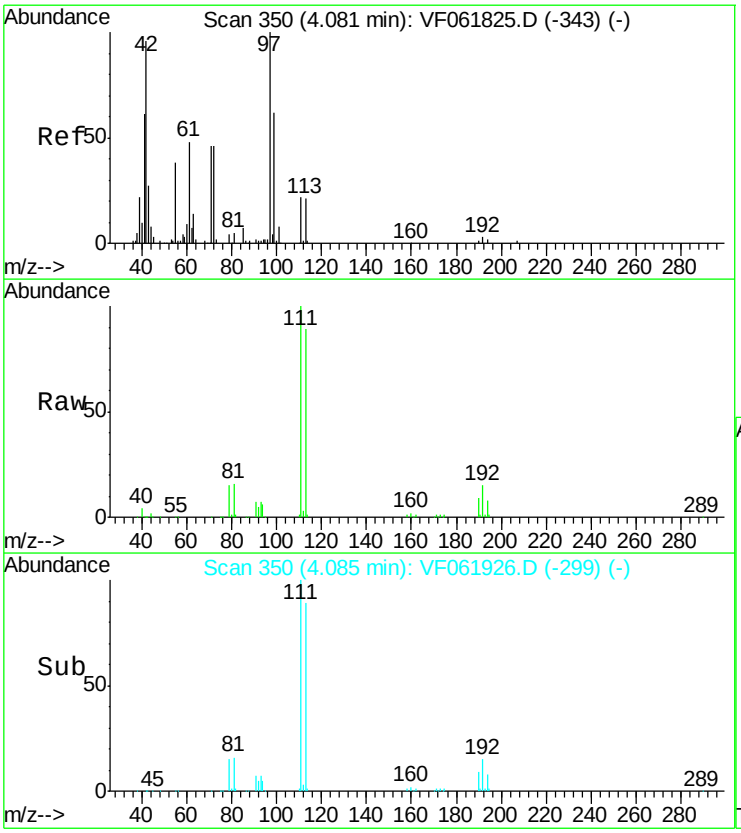

#25
2-Butanone
Concen: 3.206 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion: 43 Resp: 3121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.4 | 16.2 | 24.4# |

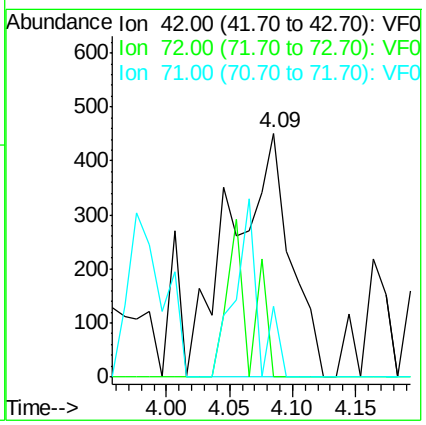


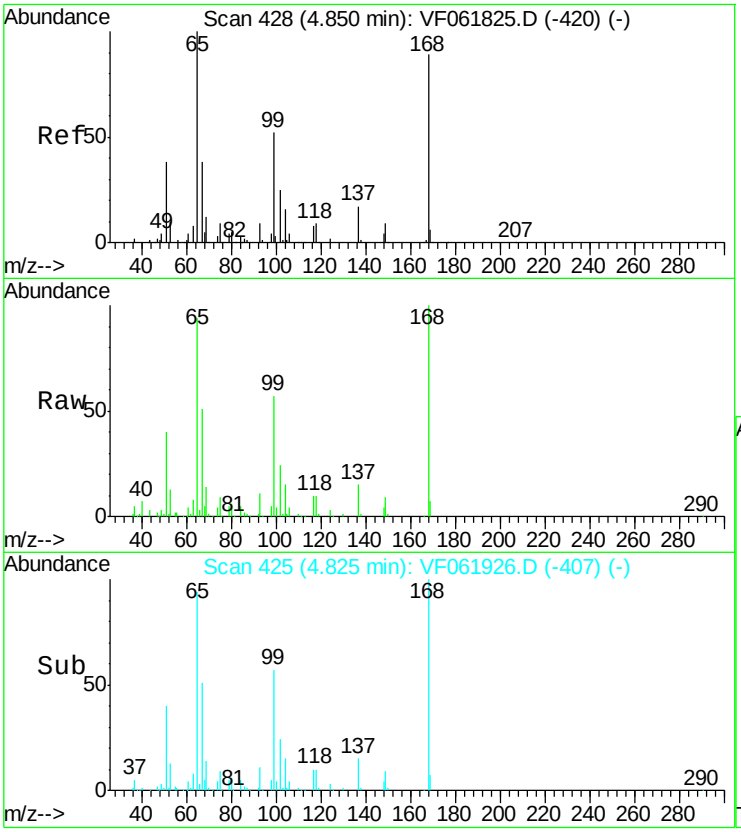




#29
Tetrahydrofuran
Concen: 3.506 ug/l
RT: 4.09 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 42 Resp: 1472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.4 | 51.6# |
| 71 | 0.0 | 34.6 | 52.0# |



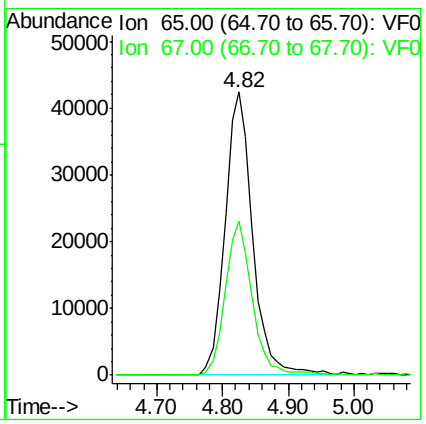


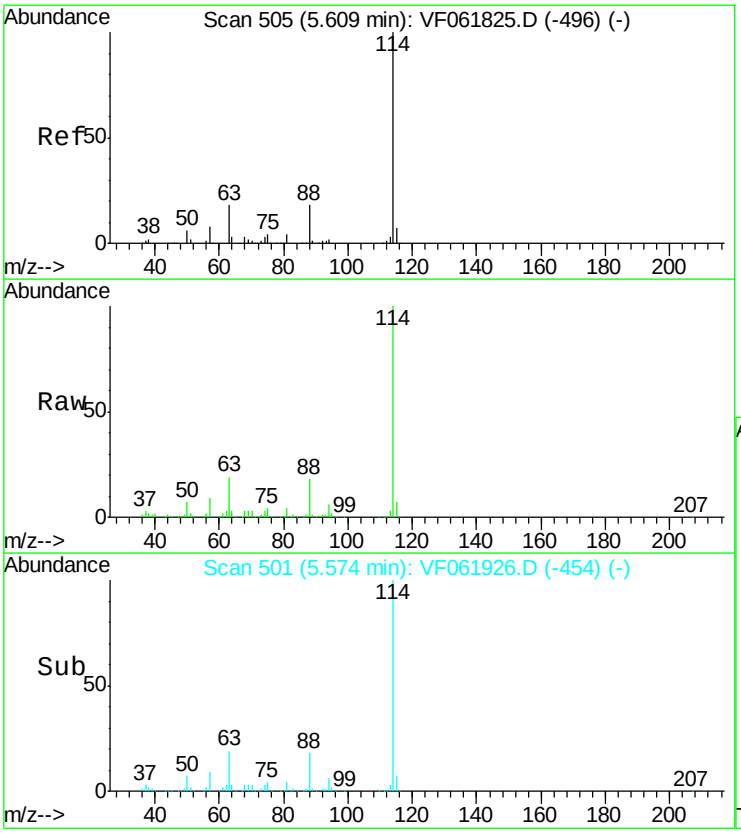

#33
1,2-Dichloroethane-d4
Concen: 54.221 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0313SBL01

Tgt Ion: 65 Resp: 123886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.6 | 0.0 | 108.6 |

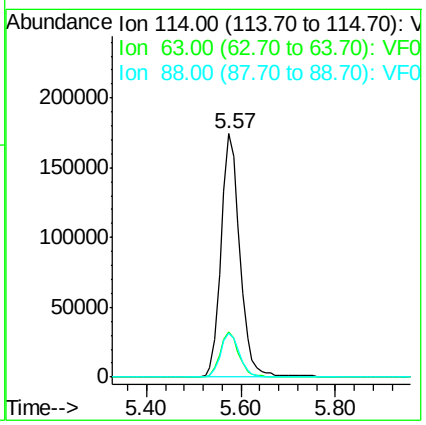


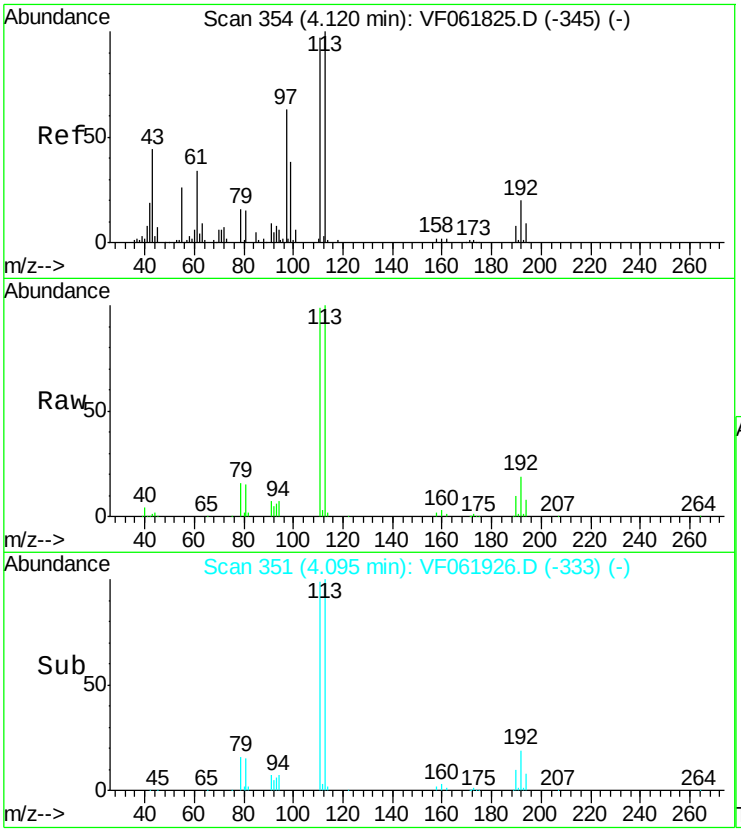




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.04 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion:114 Resp: 481645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 35.6 |
| 88 | 18.3 | 0.0 | 35.6 |



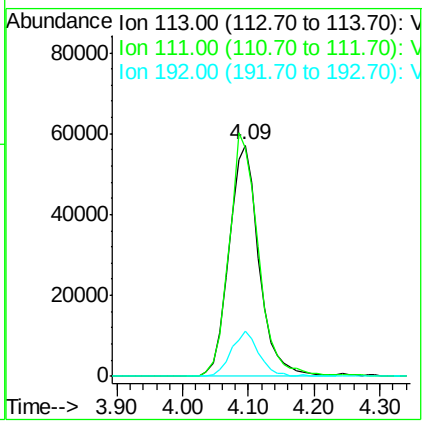


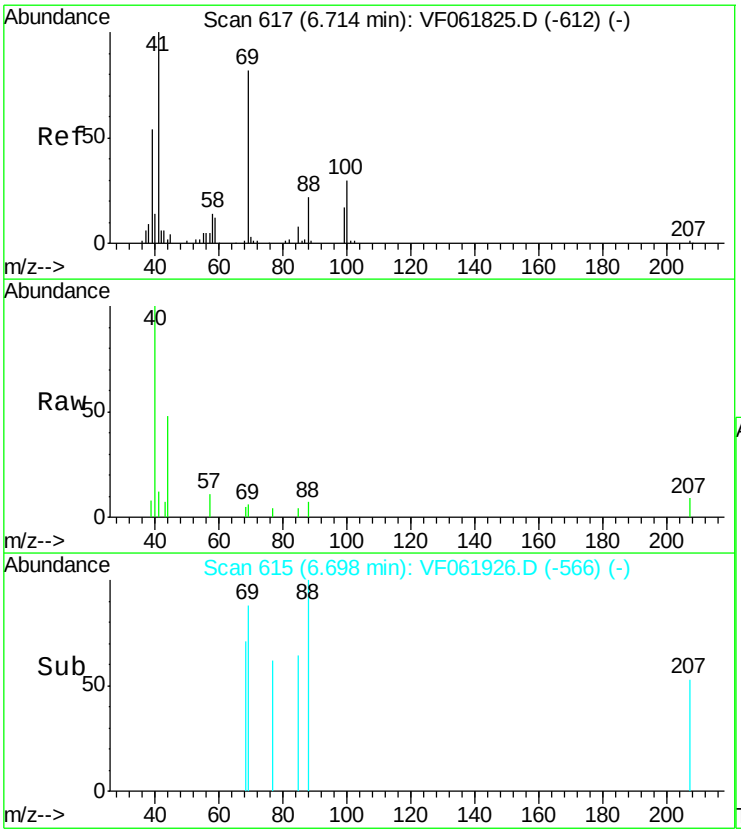

#35
Dibromofluoromethane
Concen: 54.378 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion:113 Resp: 182779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 98.9 | 77.6 | 116.4 |
| 192 | 20.2 | 15.9 | 23.9 |

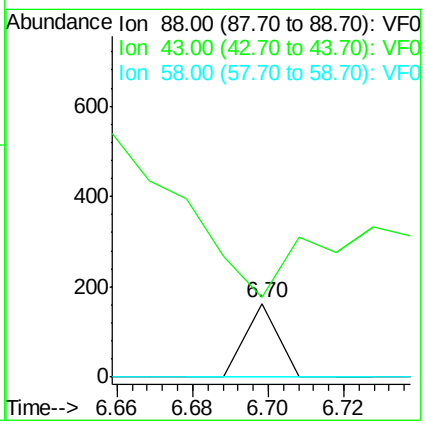


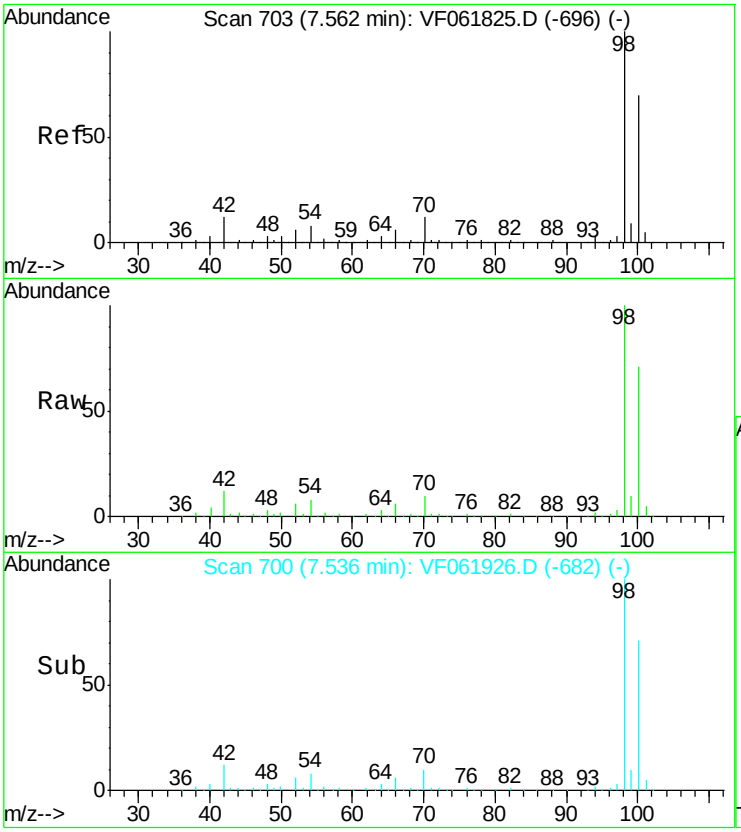




#49
1,4-Dioxane
Concen: 7.049 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 88 Resp: 96

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 108.0 | 28.4 | 42.6# |
| 58 | 0.0 | 50.7 | 76.1# |



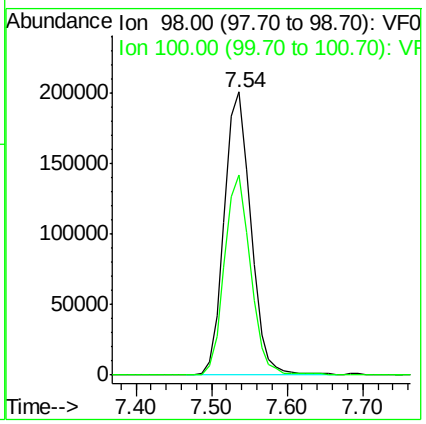


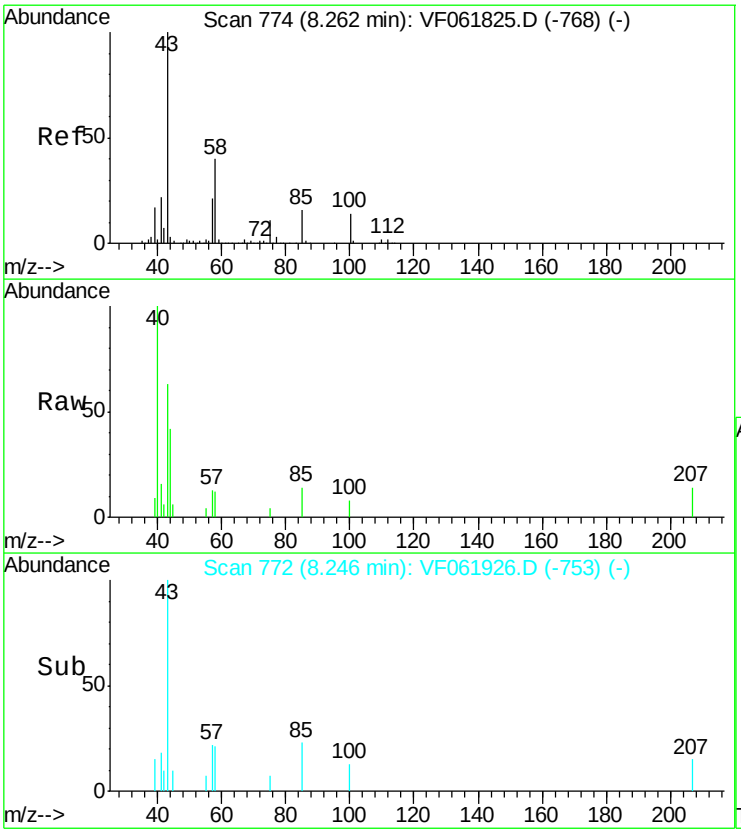

#50
Toluene-d8
Concen: 49.069 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0313SBL01

Tgt Ion: 98 Resp: 490232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.6 | 56.0 | 84.0 |

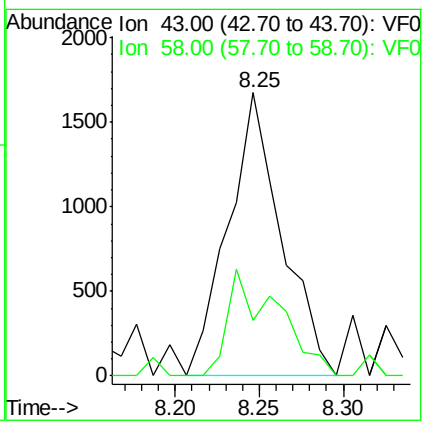


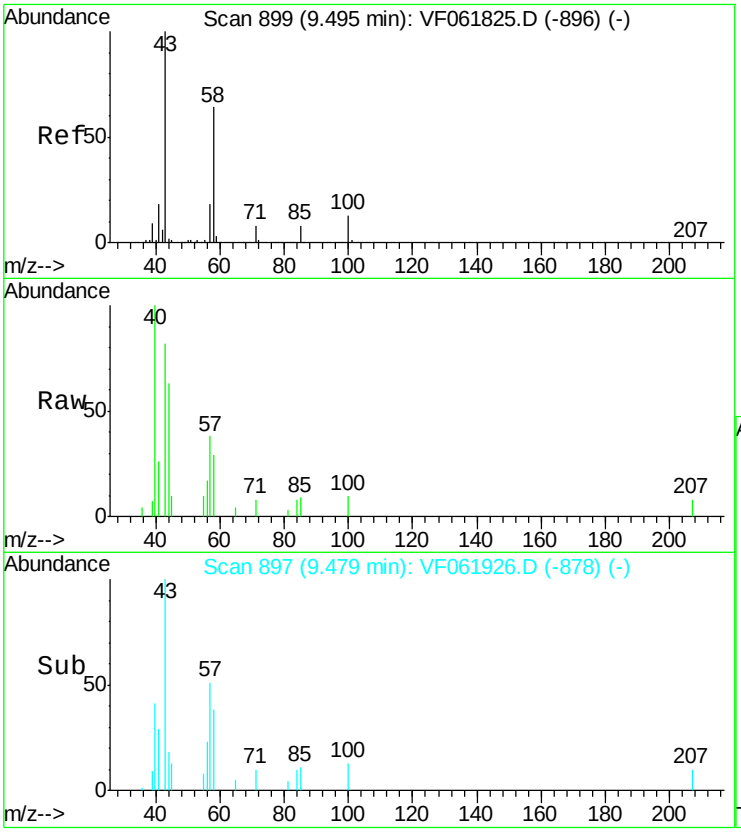




#51
4-Methyl-2-Pentanone
Concen: 2.271 ug/l
RT: 8.25 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 43 Resp: 3694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.5 | 31.8 | 47.8# |



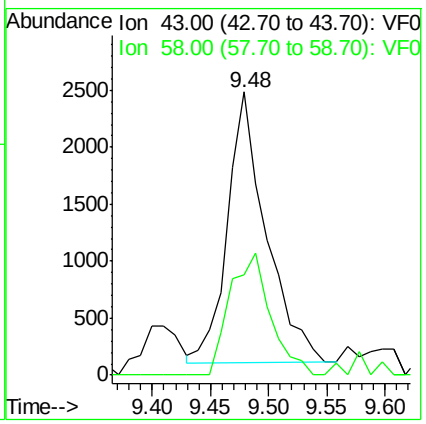


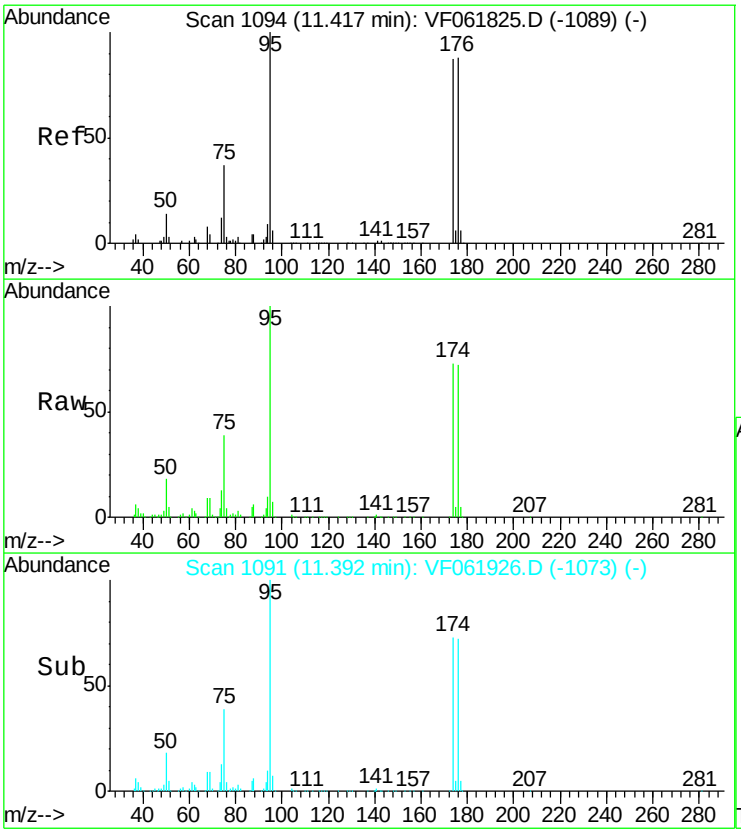

#59
2-Hexanone
Concen: 4.656 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion: 43 Resp: 5465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.4 | 28.8 | 86.4 |

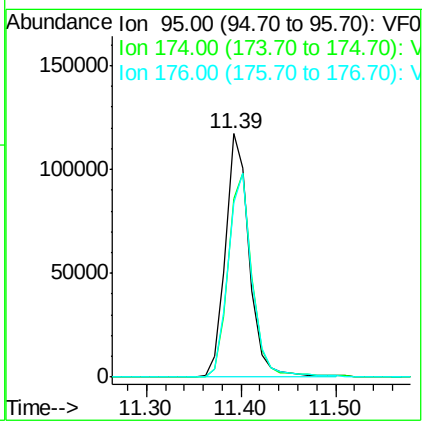


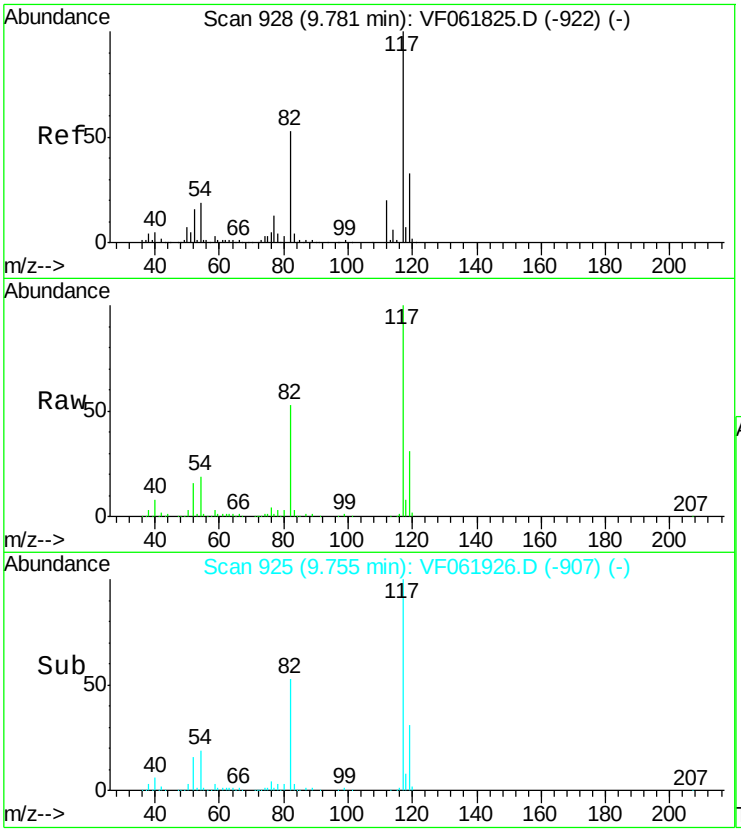




#62
4-Bromofluorobenzene
Concen: 52.179 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 95 Resp: 204206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.1 | 0.0 | 174.0 |
| 176 | 71.7 | 0.0 | 175.2 |



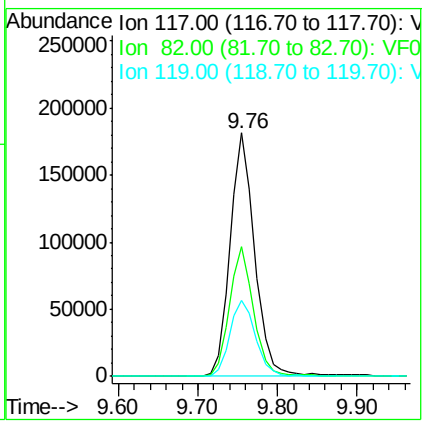


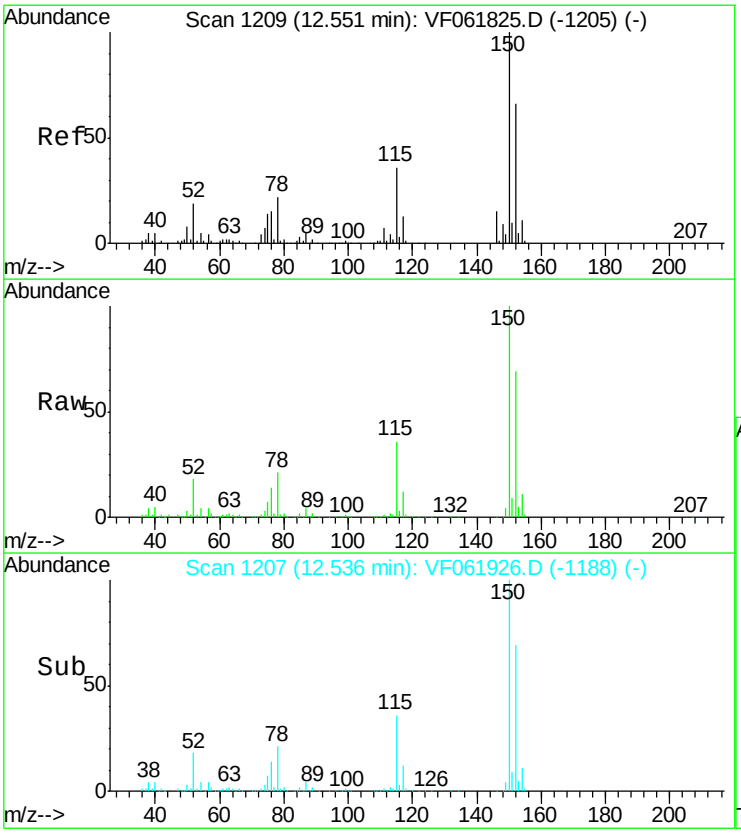

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion:117 Resp: 392622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.4 | 42.6 | 63.8 |
| 119 | 31.1 | 26.0 | 39.0 |

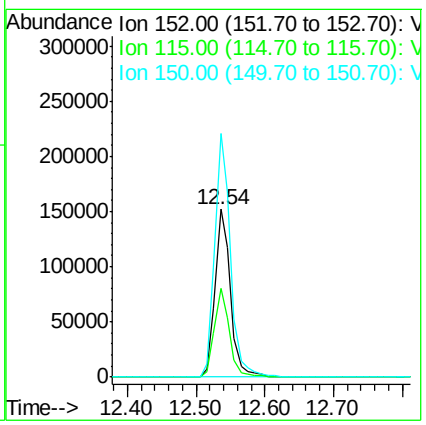


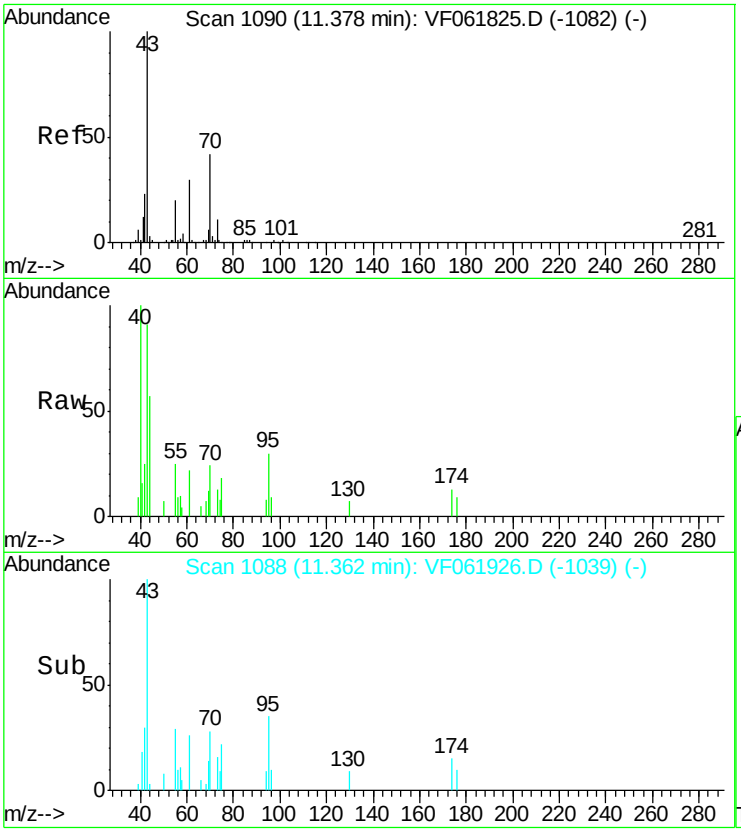




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion:152 Resp: 235586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 52.7 | 27.7 | 83.1 |
| 150 | 145.3 | 0.0 | 304.2 |



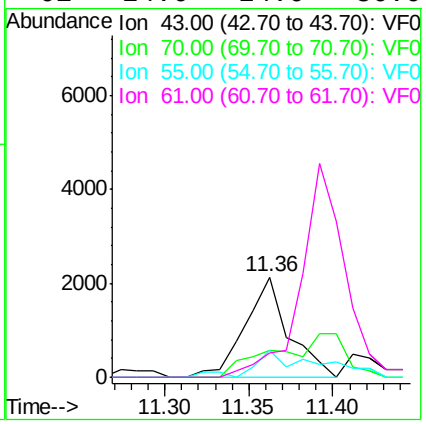


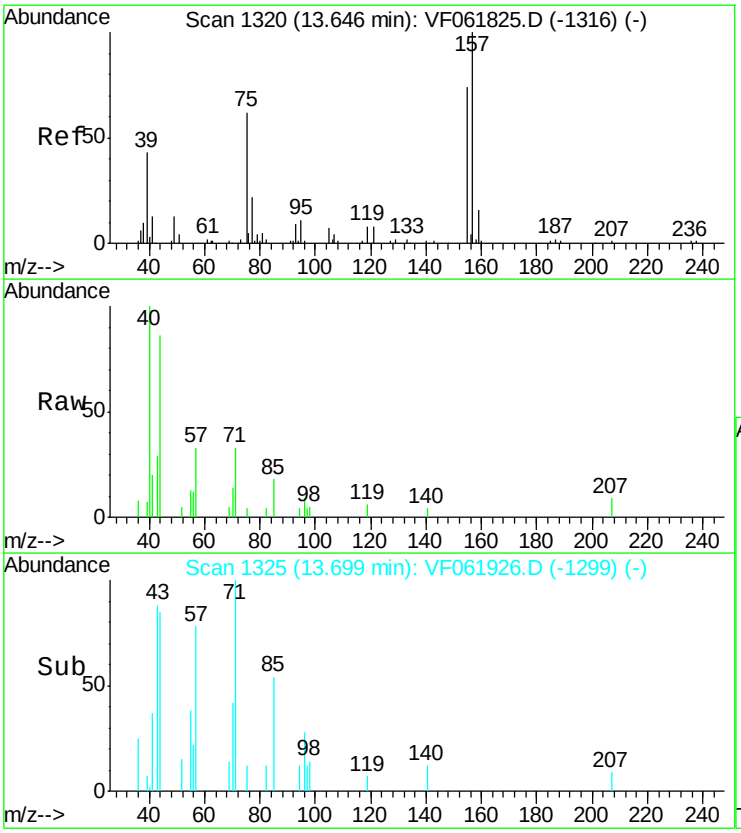

#74
N-amyl acetate
Concen: 1.025 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0313SBL01

Tgt Ion: 43 Resp: 3826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 26.3 | 33.4 | 50.0# |
| 55 | 27.0 | 16.3 | 24.5# |
| 61 | 24.6 | 24.0 | 36.0 |

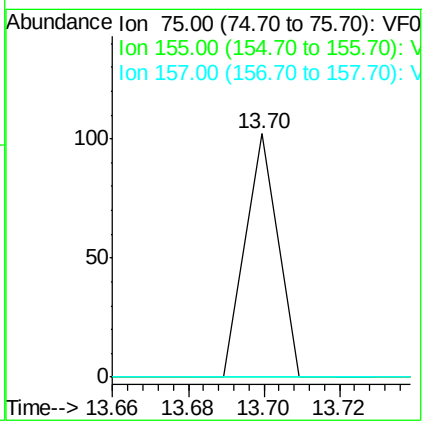


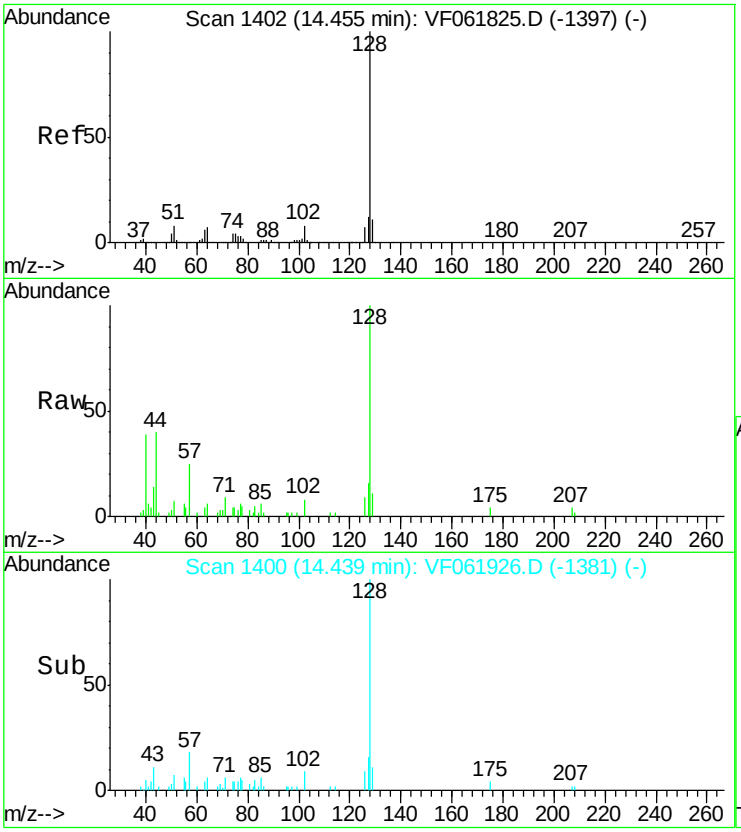




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.886 ug/l
RT: 13.70 min Scan# 1325
Delta R.T. 0.05 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

Tgt Ion: 75 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 59.8 | 179.4# |
| 157 | 0.0 | 81.2 | 243.4# |






#95
Naphthalene
Concen: 1.181 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061926.D
Acq: 13 Mar 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0313SBL01

Tgt Ion:128 Resp: 10353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.9 | 9.3 | 13.9# |
| 129 | 11.2 | 8.8 | 13.2 |